JMX Branch Notes

1. Build Issues - when you do a build, there are two places where you will need to type 'n' - for the overwriting of the Rrd.java and RrddDesc.java files. The rest of the build should go fine.

2. The default configuration is for the monitoring to be done with RMI, but if your servers are behind a firewall then you can use the HTTP option. To do this, edit the capsd-configuration.xml, poller-configuration.xml, and collect-configuration files to change the factory property to "HTTP" and modify the invoker-suffix property. More details are contained in those files. You also need to open port 4444 in your firewall.

3. The jmx-datacollection-config.properties file contains a list of MBeans that are monitored. Due to the large number that are available in JBoss, only the service type MBeans are listed. In the file you will see two types of MBean notations used. The normal object name, and an object name with a ',*' in it. This type permits the querying of object names and then the querying for their attributes. The goal was to support the ability to easily monitor a many MBeans and attributes. For now, I'd suggest not using this approach since there are some significant downsides.

4. This version only supports monitoring JBoss 4. The final version will support monitoring either 3.2 or 4 but for now this is a limitation.

5. Although this is the JMX version we still use a few of the snmp files. If you want to change the formatting of the pre-defined graphs then look at the bottom of the snmp-graph.properties file in the JBoss section.

6. No thresholds have been set, you'll need to determine what those should be. All the RRD files exist in the <rrd dir>/snmp/<node id>/jboss directory.

Any feedback, ideas on how to make it easier to configure and use would be greatly appreciated. I've only used OpenNMS in a development environment so any real world use should provide a lot of good ideas.

As a side note, I am available to help you to get this working until thursday afternoon, then I'm out for 10 days. Feel free to email me at mikejamsion@mac.com or IM on Yahoo Messenger: mjamison579

Mike